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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/567,566	02/08/2006	Hiroshi Morinaga	Q93052	6626
23373 7590 02/14/2008 SUGHRUE MION, PLLC 2100 PENNSYLVANIA AVENUE, N.W. SUITE 800			EXAMINER	
			JENKINS, JERMAINE L	
WASHINGTON, DC 20037			ART UNIT	PAPER NUMBER
			2855	
			MAIL DATE	DELIVERY MODE
			02/14/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/567,566	MORINAGA, HIROSHI			
Office Action Summary	Examiner	Art Unit			
	JERMAINE JENKINS	2855			
The MAILING DATE of this commun	nication appears on the cover sheet wit	th the correspondence address			
A SHORTENED STATUTORY PERIOD F WHICHEVER IS LONGER, FROM THE N - Extensions of time may be available under the provisions after SIX (6) MONTHS from the mailing date of this comm - If NO period for reply is specified above, the maximum si - Failure to reply within the set or extended period for reply Any reply received by the Office later than three months earned patent term adjustment. See 37 CFR 1.704(b).	MAILING DATE OF THIS COMMUNIC s of 37 CFR 1.136(a). In no event, however, may a re munication. tatutory period will apply and will expire SIX (6) MON' will, by statute, cause the application to become AB.	CATION. Exply be timely filed THS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).			
Status					
3) Since this application is in condition	ed on <u>03 December 2007</u> . 2b)⊠ This action is non-final. for allowance except for formal matte ice under <i>Ex parte</i> Q <i>uayle</i> , 1935 C.D				
Disposition of Claims					
	ction and/or election requirement.	ce. See 37 CFR 1.85(a).			
11) The oath or declaration is objected to					
Priority under 35 U.S.C. § 119	•				
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1)	PTO-948) Paper No(s	ummary (PTO-413))/Mail Date Iformal Patent Application 			

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DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1 & 3-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Schick (7,158,018) in view of Kogure et al (7,316,251).

In regards to claim 1, Schick teaches a tire sensing apparatus having at least two input detection means (38, i.e. sensor units) for detecting an input from the road which acts on a tire tread portion (Column 4, lines 3-30), which are buried in a tread rubber (Column 7, lines 15-26 & lines 35-38; See Figure 1 & Claims 1& 4). However, Schick does not teach disposing the input detection means on the outer side in the radial direction of a tire belt layer.

Kogure et al teaches a tire warning device having a tire mounting device (1; consisting of temperature sensor (3) for detecting the conditions of a running tire; See Column 2, lines 35-44) being buried in a tread rubber (11A, i.e. shoulder area of the tread 11) on the outer side in the radial direction of a tire belt layer (16) (Column 4, line 65 - Column 5, line 3; See Figure 1). It would have been obvious to one having ordinary skill in the art at the time the invention was made to place sensors on the outer side in the radial direction of a tire belt layer as taught by Kogure et al into the tire sensing

apparatus of Schick for the purpose of improving on detection accuracy of tire breakdown by eliminating the delay in the detection of tire breakdown thus allowing traveling safety to be enhanced (Column 5, lines 22-32; Kogure et al).

With respect to claim 3, Schick teaches wherein the tire input detection means (38) are arranged on the inner side in the radial direction of a tread block contact portion (See Figure 1).

With respect to claim 4, Schick teaches wherein the tire input detection means (38) is pressure sensors whose detection direction is a tire radial direction (Column 4, lines 3-30).

With respect to claim 5, Schick teaches wherein the tire input detection means is pressure sensors whose detection direction is a tire circumferential direction (Column 4, lines 3-30; See Figure 5).

Allowable Subject Matter

3. Claim 2 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JERMAINE JENKINS whose telephone number is

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(571)272-2179. The examiner can normally be reached on Monday-Friday 9am-530pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Lefkowitz can be reached on 571-272-2180. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Edward Lefkowitz/ Supervisory Patent Examiner, Art Unit 2855 Jermaine Jenkins Examiner Art Unit 2855